

U.S. Patent Application Serial No. 10/519,410
Amendment filed December 11, 2007
Reply to OA dated September 12, 2007

AMENDMENTS TO THE CLAIMS:

Please cancel claims 3, 5, 6, 12, 13 and 15 without prejudice or disclaimer, and amend claims 1, 2, 4 and 7-11, as follows. This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (Currently amended): A biodegradable sheet for molding, comprising a resin composition, wherein the resin composition contains 75 to 25 mass% of a polylactic acid resin and 25 to 75 mass% of a polyester having a glass transition temperature of 0°C or less and a melting point higher than the glass transition temperature of the polylactic acid resin, wherein the sum of the polylactic acid resin and the polyester is 100 mass%, wherein the polylactic acid resin in the sheet has a degree of crystallization of ~~45%~~ 20% or less, and wherein the thickness of the sheet is 100 μm to 500 μm .

Claim 2 (Currently amended): A biodegradable sheet for molding, comprising a resin composition, wherein the resin composition contains 75 to 25 mass% of a polylactic acid resin and 25 to 75 mass% of a polyester having a glass transition temperature of 0°C or less and a melting point of 90°C or more, and wherein the polylactic acid resin in the sheet has a degree of crystallization of ~~45%~~ 20% or less, and wherein the thickness of the sheet is 100 μm to 500 μm .

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Claim 3 (Canceled).

Claim 4 (Currently amended): The biodegradable sheet for molding according to claim [[3]]
2, wherein the polyester is a biodegradable aliphatic polyester that is not a polylactic acid resin.

Claims 5-6 (Canceled).

Claim 7 (Currently amended): A molded article molded from a sheet that comprises a resin composition, wherein the resin composition contains 75 to 25 mass% of a polylactic acid resin and 25 to 75 mass% of a polyester having a glass transition temperature of 0°C or less and a melting point higher than the glass transition temperature of the polylactic acid resin, wherein the sum of the polylactic acid resin and the polyester is 100 mass%, ~~and having a volume reduction ratio of 6% or less, and~~ wherein the thickness of the sheet is 100 μm to 500 μm , wherein the molded article has a volume reduction ratio of 6% or less, and wherein the molded article is a deep-drawn molded article having a draw ratio of 0.5 or more.

Claim 8 (Currently amended): A molded article molded from a biodegradable sheet for molding that comprises a resin composition, wherein the thickness of the sheet is 100 μm to 500 μm , wherein the resin composition contains 75 to 25 mass% of a polylactic acid resin and 25 to 75 mass% of a polyester having a glass transition temperature of 0°C or less and a melting point higher

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than the glass transition temperature of the polylactic acid resin, wherein the sum of the polylactic acid resin and the polyester is 100 mass%, and wherein the polylactic acid resin in the sheet has a degree of crystallization of ~~45%~~ 20% or less, at a temperature not lower than a melting point of the polyester and lower than a temperature by 30°C higher than the melting point of the polyester, and ~~having~~ wherein the molded article has a volume reduction ratio of 6% or less.

Claim 9 (Currently amended): The molded article according to claim 8, which is molded from a biodegradable sheet for molding that comprises a resin composition, wherein the thickness of the sheet is 100 μm to 500 μm , wherein the resin composition contains 75 to 25 mass% of a polylactic acid resin and 25 to 75 mass% of a polyester having a glass transition temperature of 0°C or less and a melting point higher than the glass transition temperature of the polylactic acid resin, wherein the sum of the polylactic acid resin and the polyester is 100 mass%, and wherein the polylactic acid resin in the sheet has a degree of crystallization of ~~45%~~ 20% or less, at a temperature not lower than a melting point of the polyester and lower than a temperature by 30°C higher than the melting point of the polyester, and then post-crystallized at a temperature not lower than the glass transition temperature of the polylactic acid resin and lower than the melting point of the polyester, and having a volume reduction ratio of 6% or less.

Claim 10 (Currently amended): A method for producing a molded article, comprising forming a molded article from a biodegradable sheet for molding that comprises a resin composition,

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wherein the thickness of the sheet is 100 μm to 500 μm , wherein the resin composition contains 75 to 25 mass% of a polylactic acid resin and 25 to 75 mass% of a polyester having a glass transition temperature of 0°C or less and a melting point higher than the glass transition temperature of the polylactic acid resin, wherein the sum of the polylactic acid resin and the polyester is 100 mass%, and wherein the polylactic acid resin in the sheet has a degree of crystallization of ~~45%~~ 20% or less, at a temperature not lower than a melting point of the polyester and lower than a temperature by 30°C higher than the melting point of the polyester.

Claim 11 (Currently amended): The method for producing a molded article according to claim 10, further comprising post-crystallizing the molded article formed from the biodegradable sheet for at the molding temperature, at a temperature not lower than the glass transition temperature of the polylactic acid resin and lower than the melting point of the polyester, and wherein the molded article is a deep-drawn molded article having a draw ratio of 0.5 or more.

Claims 12-13 (Canceled).

Claim 14 (Previously Presented): The biodegradable sheet for molding according to claim 1, wherein the polyester is a biodegradable aliphatic polyester that is not a polylactic acid resin.

Claim 15 (Canceled).